

Spectrographic Analysis Of Dinas and Quartzito, by
P. F. Likhov and others.

RUSSIAN, per, Zavodskaya Laboratoriya, Vol XXIII,
No 5, 1957, pp 581-584.

CSIRO

Oct. 62

A Logarithmic Electronic Converter for a Recording
Microphotometer, by V.K. Latyshev.

RUSSIAN, per, Zavod Lab, No 5, 1957, pp 630-633.

Primary Sources
CR-3211

Sci - Electron
Jul 61

159,449

Faynberg, S. Yu., Blyakhman, A. A., and
Stankova, S. M.
ANALYSIS OF SLAGS FROM COPPER AND LEAD
SMELTING PROCESSES (Analiz Shlakov Mednoy i
Svintsovoy Plavok). Mar 61 [13]p. 8 refs. RTS 1756.
Order from OTS or SLA \$1.60 61-19668

Trans. of Zavodskaya Laboratoriya (USSR) 1957,
v. 23, no. 6, p. 647-652.

DESCRIPTORS: *Slags, *Copper, *Lead, Ores,
Colorimetric analysis, Analysis

(Chemistry--Analytical, TT, v. 6, no. 1)

61-19668

- I. Faynberg, S. Yu.
- II. Blyakhman, A. A.
- III. Stankova, S. M.
- IV. RTS-1756
- V. Department of Scientific
and Industrial Research
(Gt. Brit.)

161809

Office of Technical Services

Colorimetric Determination of Combined Carbon
in Low-Alloy Constructional Steels, by L. V.
Zaslavskaya, N. M. Popova.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 6, 1957,
pp 656, 657.

HB 5084

Sci - Chem

Apr 61

147,462

Determination of Susceptibility to Inter-
granular Corrosion of Welds in Structures,
by N. D. Tomashov, O. G. Deryagina..

RUSSIAN, per, Zavod Lab, Vol XXIII, No 6,
1957, pp 679-682.

Brutcher 4461

Sci - Min/Met

Jun 59

90,036

X-Ray Study of the Sulfurizing of Steel, by Yu. M.
Vinogradov, V. D. Zelenova.

RUSSIAN, no per, Zav Lab, Vol XXIII, No 6, 1957,
pp 697, 698.

Brutcher Tr 4032
\$3.60

Sci - Min/Met

Jan 58

57,367

Use of Electron Diffraction for the Study of Oxide
Films on the Surface of Cemented Carbides, by K. P.
Imshennik, V. A. Landa.

RUSSIAN, per, Zav Lab, Vol XXIII, No 6, 1957,
p. 699-702.

Brutcher Tr 4041
\$2.20

Sci - Min/Met

Jan 58

57,378

Automatic Apparatus for a Hydraulic Machine to Test
Endurance Under Repeated Static Loads, by M. A.
El'yasheva, A. I. Politov, 5 pp. UNCLASSIFIED

RUSSIAN, per, Zavod Lab. Vol XXIII, No 6, 1957,
pp 741, 742. CIA 610342

APIC F-TS-9413/III

Sci - Engineering
Jul 58

68,562

Flaw Detection by a Coloring Technique, by N. V.
Khimenko.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 7, 1957,
pp 803-806.

Henry Bratcher 4418
\$3.90

Sci - Engr, Chem

Apr 59

84,309

Improved Method of Flaw Detection by Coloring,
by S. I. Kalashnikov, N. P. Michin.

RUSSIAN, per, Zavod Lab, Vol XXIII, 1957, pp
806-808.

Henry Bratcher 4419
\$2.85

Sci - Chem, Engr

84,310

Apr 59

Metallographic Study of the Carbides in High-Speed
Steels, by M. S. Chayadayeva.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 7, 1957,
pp 811-813.

Brutcher Tr 4065
\$2.45

Sci - Min/Met

Apr 58

61, 426

Tolomasov, V. A. and Apaev, B. A.
EXAMINATION OF MEASURING SCHEMES OF
BALLISTIC MAGNETOMETER AND ANISOMETER.
[1962] [14]p. 9 refs.
Order from OTS or SLA \$1.60

62-18274

Trans. of Zavodskaya Laboratoriya (USSR) 1957, v. 23,
no. 7, p. 821-826.

DESCRIPTORS: Measurement, Ballistics, *Magnetometers, *Magnetism, Coils, Galvanometers, Equations, Ferromagnetism.

(Physics--Magnetism, TT, v. 9, no. 11)

62-18274

I. Title: Anisometer
1. Tolomasov, V. A.
II. Apaev, B. A.

Office of Technical Services

Equipment for Ultrasonic Inspection of Welded
Joints, by A. K. Gurvich.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 7,
1957, pp 858-860.

HB 5112

Sci - Engr

Jun 61

156,834

Use of Electrolytically Generated Permanganate Ion
for Coulometric Titration, by O. A. Songina, N. G.
Kemeleva, M. T. Kozlovski, 7 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 8, 1957,
pp 896-900.

SIA 59-10262

Sci - Chem
Sep 59
Vol 2, No 1

97,252

Comparative Evaluation of Methods for
Determining Gases in Steel, by Yu. A. Klyachko,
L. L. Kunin, E. M. Chistyako.

No 8,

RUSSIAN, per, Zavod Lab, Vol XXIII,/1957, pp
905-907.

Brutcher Tr 4133
\$2.90

Sci - Phys, Engr

Jun 58

65,729

Accumulated Chemical Procedure for the Analysis
of Blast-Furnace Slag, by P. I. Protsenko,

NOSSMAN, pos, Revised Lab, Vol XXIII, No 6, 1957
1957, pp 912, 913.

BE 4923

Acc - Chem
16 Jan 60

131, 889

Determination Under Vacuum of the Thermal Conductivity
of Refractory Bodies, by D. M. Shakhtin, I. J.
Vishnevskiy, 5 pp.

RUSSIAN, per, Zavodskaya Lab, Vol XXIII, 1957, pp
927-929.

AEC CEA Tr R501

Reverse Trans Russian to French
Feb 59

The Determination of the Specific Conductance of Refractory Materials in Vacuum up to 2200 Deg C., by F. I. Chaprinin, S. I. Kovalenko, A. N. Lulichev.
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 23, 1957, p 931.
SLA M66-10785

AEC-TR-1
ALL CIA TDRS II

331, 637

Sci
Jul 67

Calculating the Tendency of Steel to Brittle Fracture
Under Conditions of Actual Use, by Ye. M. Shevarenko

RUSSIAN, pac. Zavod Lab. Vol. XXIII, 1957, pp 949-953. 9562373.

AFSC MCL 528/1

Sci - Min/Met
Jun 61

154,94A

Using the Photoelectric Method for Studying Steel
Fractures, by Z.N. Krasil'shchikov, Ye. N. Shvach.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 8, 1957,
pp 959-961. 9662373

ATIC MCL 828/1

Sci - Min/Met
Jun 61

154,941

Apparatus for Accurate Measurement of the Electrical Resistance of Metals and Alloys at ~~High~~ High Temperatures in Vacuum, by S. D. Gertsriken, A. V. Progrushchenko.

RUSSIAN, per, Zavod Lab., Vol XXIII, No 8, 1957, pp 974, 975.

HB 4845

Sci - Min/Met

Oct 60

SIR No 6.

K. V. Chmutov, "The Chromatographic Method and
the Prospects of Its Development," Zavodskaya
Laboratoriya, Vol 23, No 9, Sep 57, pp ~~1219-~~
1019--1022.

Sum 988

12 854

Fr-1

TROSTYANSKAYA E. B., TEVLINA A. S.

Sorbents selective to ion exchange in chromatographic analysis

Sorbants sélectifs à l'échange ionique dans l'analyse chromatographique

Zavodskaya Lab., 23, No. 9, 1042-1049 (1957)

R. 1104 - French

E u r a t o m

AFC-UCRL-Tr-530(4)

Separation of Molybdenum From Iron, Aluminum,
and Calcium by Means of Ion-Exchange Anionites,
by Yu. V. Morachevskiy, M. N. Gordeyeva.

RUSSIAN, per, Zavodskaya Laboratoriya, Vol XVIII,
1957, pp 1066-1067. 9203398

UCHL-Tr-896(1)

Sci - Chem

Mar 63

226,594

Photographic Effects of the Radiation of Some
Radioactive Isotopes, by N. V. Ushakov.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 9,
1957, pp 1080-1083.

CSIRO

Sci - Phys
Aug 62

211, 496

High-Carbon, High-Chromium Tool Steels Checked
for Uniformity of Carbide Distribution by a New
Rating Chart, by A. G. Ivanov, et al. UNCL

RUSSIAN, per, Zavod Lab, No 9, 1957, pp 1088-1091.

RB 4825

Sci - Min/Met
Jun 60

120,819

A Method for Measuring the Coefficient of Thermal
Conductivity of Refractory Materials at High
Temperatures, by V. V. Pustovalov. UNCLASSIFIED

RUSSIAN, per, Zavod Lab, Vol XXXIII, No 9, 1957,
pp 1093-1094.

REF ID: A6-27-8-22 (9204052)
Navy Tr 1677/NRL-661 (6206052)

Sci - 100
Apr 58

60,726

Universal Chromathermographic Apparatus for
Analyzing Complex Gas Mixtures, by N. M. Turkel'taub,
A. A. Zhukhovitskiy, 10 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, 1957,
pp 1120-1124.

Patent Office

Sci-/Engr

246, 424

Jan 64

Laboratory Vacuum Furnace for Temperatures
of 2000-2500° C, by A. G. Tyutyunik.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 9,
1957, pp 1126, 1127.

Brutcher Tr 4292
\$2.75

Sci - Engr

Sep 58

72,599

A Glorious Anniversary, 10 pp.

RUSSIAN, per, Zaved Lab, Vol XXIII, No 10,
1957, pp 1147-1152.

CIA/PDD XI-582

NOT RELEASABLE TO FOREIGN NATIONAL

USSR

Econ - Economic Growth Since October Revolution
Feb 59

80,676

Development of Analytical Chemistry in the
USSR, by A. K. Babko.

RUSSIAN, per. Zavod Lab, Vol. XXIII, No. 10, 1977,
pp 1153-1161.

NIL M. 2565

Sci - Chem

174, 976

Doc 61

Analysis of Pure Metals, by V. A. Nazarenko,
9 pp.

RUSSIAN, per, Zavod Lab, Vol LXIII, 1957,
pp 1162-1167.

AEC/MP Tr 231

Sci - Min/Met

May 59

87,880

12 688

Fr-1

KUZNETSOV V. I., SERYAKOVA I. V.

Extractive separation of elements by means of easily fused organic substances

Séparation des éléments par extraction à l'aide de substances organiques facilement fusibles

Zavodskaya Lab., 23, No. 10, 1176-1186 (1957)

R. 1002 - French

E u r a t o m

Emission Spectroscopic Analysis in the USSR,
by V. K. Pavlov et al.

RUSSIAN, per, Atom. Lab., Vol XXIII, No 10,
1971, pp 1100-1101.

DTL M. 2536

Sci - Phys

174, 977

Dec 61

Results and Trends in the Development of Soviet
Metallography, by M. L. Bernshtein, et al.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 10,
1957, pp 1202-1211.

NLL M. 2563

Sci - Min/Metals

117,591

Dec 61

Electron Microscopy in the Soviet Union, by
R. Ya. Berlaga.

RUSSIAN, per, ~~Zavod Lab~~, Vol XXIII, No 10, 1957,
pp 1214-1219.

C.S.I.R.O.

NLL M.2562

Sci

May 60

115, 771

Magnetic Structural Analysis, by S.V. Vonsovskiy.

RUSSIAN, per, Zavod Lab, No 10, 1957, pp 1221-1226.

Primary Sources
SMT-111

Sci - Phys
Jul 61

159,451

Development of Defectoscopy (Non-Destructive Testing) of Metals, by S. T. Nazarov, 9 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 10, 1957, pp 1228-1234.

CIA/PDD XX-521

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics
Oct 58

IAC INTERNAL USE ONLY

*Chief Scientist
C. S. I. R. O.
314 d. 1000 ft.
East Melbourne
C. S. I. R. O.
74, 056
NLL M. 2561*

X-Ray-Spectral Method of Investigating Local
Chemical Composition, by I.B. Morovskiy.

RUSSIAN, per, Zavod Lab. No 10, 1957, pp 1234-1242.

Primary Sources
SMT-110

Sci - Engr
Jul 61

159, 452

Use of Coprecipitation in Order to Obtain Analytical
Concentrates of Cd, Pb, Bi and Zn in the Analysis of
Alloys, by A. K. Babko, P. V. Marchenko.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 11, 1957,
pp 1278-1283. 9640731

R.221.5 Soviet Metal Tech
Vol I, No 1, p 55

*ATIC MCL-550/III

Sci - Min/Met
Aug 60

124,035
Info taken from LLU Tr Bul
Jun 60

12 733

AT-1

NAZARENKO V. A., SHUSTOVA M. B.

Pure metal analysis. Determining tantalum admixtures in zirconium and niobium

Analyse reiner Metalle. Die Bestimmung von Tantal-Beimengungen in Zirkon und Niob.

Zavodskaya Lab., 23, No. 11, 1283-1286 (1957)

Ch, 1960/61, No. 74 - German

E u r a t o m

NLE M 5048

Determination of Carbides in Stainless Steel
by the Electrolytic Method, by M. M. Shapiro.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 11, 1957,
pp 1292-1294.

Brutcher Tr 4290

\$3.90

Electronic
Sci - ~~abstract~~

Sep 58

Primary Source 100-102
72,595

Special Analysis of Beryllium, by P.M. Polyakov.

RUSSIAN, per, Zavod Lab. No 11, 1957, pp 1320-1383

Primary Sources
SMT-1165

Sci - Min/Met
Jul 61

159,454

Determining the Critical Interval of Brittleness⁷⁴
of Smooth Test Pieces Under Tensile Stress, by
I. Ye. Kontorovich, B. M. Voshedchenko, 8 pp.

RUSSIAN, per, Zavod Lab, No 11, 1957, pp 1362-1365.
9660868

ATTC MCL-511/III

Phys
Apr 61
IC-40286-M

147,793

Apparatus for Determination of the Reducibility
of Blast Furnace Sinters, by N. L. Gol'dshtein,
N. S. Khrochenko.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 11, 1957,
pp 1391-1392.

Brutcher Tr 4264
\$2.00

Chem
Sci - ~~Met~~

Sep 58

72,583

The Question of the Organization of Laboratories
for Work With Radioactive Substances, by
N. J. Leschinskiy.

RUSSIAN, per, Zavod Lab, No 11, 1957, pp 1396-1398.

Primary Sources
SMT-1170

USSR
Econ
Jul 61

159, 453

Analysis of Steel for Gases by the Vacuum-Heating
Method, by Yu. A. Klyachko, et al.

RUSSIAN, par, Zavod Lab, Vol XXIII, No 12, 1957,
pp 1410-1412.

Brutcher Tr 4130
\$3.25

Sci - Min/met
Jul 58

66,276

Accelerated Method for Isolating the Carbide Phase
in Steel, by O. S. Spiridonova, T. I. Bozuglova.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 12, 1957,
pp 1412, 1413.

Henry Bratcher Dr 4/52
\$2.50

Sci - Phys

Jan 58

66/12.5

The Continuous Determination of the Concentration of
Nitric Oxide in Coke Oven Gas, by M. T. Borok, 6 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, 1957, pp 1414-
1430.

ABC Tr 3631

Sci - Chem

May 59

87, 955

Investigation of the Influence of Stress and /
Deformation of the Self-Diffusion of Iron, by
T. I. Gudkova, V. S. Gorbato, S. Z. Bokshtein,
A. A. Zhukovitskiy, S. T. Kishkin, 4 pp.

RUSSIAN, per, ^{Vod} ~~Zakl~~ Lab, Vol XXIII, 1957, pp
1438 1439.

ARC 3335

Sci - Phys

Oct 58

73,008

Method of Electron Emission Investigation of
Steel, by K. V. Varli, et al.

RUSSIAN, per, Zavod Lab, No 12, 1957,
pp 1443-1446.

Soviet Metal Tech
Vol I, No 1, 1958,
p 74

Sci - Min/Met

May 61

148,827

A Mass-Spectrometric Method of Determining
the Kinetics of Emission of Gases From Metals,
by V. I. Fistul, 12 pp.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 12,
1957, pp 1448-1451. 9066991

AEC Tr-5280

Sci - Min/Met, Chem
Oct 62

217,347

A Method for Electrochemical Investigation of
Atmospheric Corrosion at 100 % or Lower Relative
Humidity of the Air, by Yu. N. Mikhailovskiy, N. D.
Tomashov.

RUSSIAN, per, Zavod Lab, Vol XXIII, No 12, 1957;
pp 1462-1466.

ATS RJ-2064

Sci - Chem
Doc 52

104 162

62-24579

Mikhailovskii, Yu. N. and Tomashov, N. D.
METHODE D'ETUDE ÉLECTROCHIMIQUE DE LA
CORROSION ATMOSPHERIQUE, L'HUMIDITÉ RELATIVE
DE L'AIR ÉTANT ÉGALE OU INFÉRIEURE À
CENT POUR CENT (Metod Elektrokhimicheskogo is-
sledovaniya Atmosfernoi Korrozii pri Otnositel'noi
Vlazhnosti Vozdukh pri 100 % i Nizhe) [A Method for
Electrochemical Investigation of Atmospheric Cor-
rosion at 100 % or Lower Relative Humidity of the Air]
tr. by Lopoukhine. 26 Dec 61 [17]p. (Russian text in-
cluded) 7 refs. CEA Trans. no. R 1465 (text in French).
Order from OTS or SLA \$1.60 62-24579

Trans. in French of Zavodskaya Lab[oratoriya] (USSR),
1957, v. 23, no. 12, p. 1462-1466.

- I. Mikhailovskii, Yu. N.
- II. Tomashov, N. D.
- III. CEA-tr-R1465
- IV. Commissariat à l'Énergie
Atomique (France)

SIR No 5:

Ion-Exchange Resins and
"Selective ~~Ionites~~ and Selective Ionite- Ion-
-Exchange Resin Diaphragms" by V. A. Klyachko,
Zavodskaya Laboratoriya, Vol 23, No 9, Sep 57,
pp 1049-1051.

ZAVODSKAYA LABORATORIYA
(Industrial Laboratory - monthly)
Translation begins with 1958, Vol. 4
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011
1958-69 } \$ 145.00/year
1970/71 }
add \$ 30.00 single issues
\$ 15.00 single article reprints
\$ 5.00 on overseas subscription

ZAVODSKAYA LABORATORIYA

Vol 25, Nos 1-12, 1959

Cover-to-cover Instru Soc of Amer
Available Br 5 Library

Vol 25, No 1, pp 38-41	CIA/FDD XX-782	NOFORN
Vol 25, No 2, pp 219-	CIA/FDD XX-722	NOFORN
No 5, pp 608-610	CIA/FDD XX-818	NOFORN
pp 619-	CIA/FDD XX-819	NOFORN
No 6, pp 741	CIA/FDD XX-820	"
pp 743-744	CIA/FDD XX-771	"
pp 745-746	CIA/FDD XX-772	"
pp 748-749	CIA/FDD XX-821	"

Vol 25 209 pp 1023-1027 JPRS 3356

ZAVODSKAYA LABORATORIYA

Vol 26, Nos 1-7, 1960

Cover-to-cover Instru Soc of Amer

Available Br 5 Library

No 5, pp 523-529 JPRS 4566

No 6, pp 679-703 JPRS 4546

ZAVODSKAYA LABORATORIYA

Vol 27, Nos 1-7, 1961

Cover-to-cover Instru Soc of Amer
Available CIA Library/Book Desk

No 2, pp 243-245 JPRS 4934

No 7, pp 839-842 JPRS 12,051

ZAVODSKAYA LABORATORIYA

Vol 27, Nos 8-12, 1961

Cover-to-cover Instru Soc of Amer
Available Library Serials

Nikitin, V. N. and Volchek, B. Z.
THE STUDY OF POLYMERS BY MEANS OF INFRA-
RED SPECTROSCOPY. [1962] 10p.
Order from ATS \$15.45

ATS-73P60R

Trans. *Zavodskaya Lab[oratoriya] (USSR) 1962, v. 28,
no. 1, p. 49-55.

DESCRIPTORS: *Polymers, *Infrared spectroscopy.

(Physics--Spectroscopy, TT, v. 8, no. 5)

62-17741

- I. Nikitin, V. N.
- II. Volchek, B. Z.
- III. ATS-73P60R
- IV. Associated Technical
Services, Inc., East Orange
N. J.

ATS 73-3638

Office of Technical Services

INCREASING THE TESTING CAPACITY OF MACHINES FOR
STRESS-RUPTURE TESTING, BY A. G. RYSS.

RUSSIAN, PER, ZAVOD LAB, VOL XXVIII, NO 1, 1962,
P 112.

NLL M. 3769

SCI - ENGR

OCT 62

213,003

ESTABLISHING THE POSITION OF FLAWS IN ULTRASONIC
INSPECTION, BY YA. I. IOFFE.

RUSSIAN, PER, ZAVOD LAB, VOL XXIII, NO 2, 1962,
PP 242-245.

HB 5557

SCI - PHYS
AUG 62

207,006

Instruments for the Rapid Determination
of Activity and Degree of Reduction of
Nickel Powder, by A. I. Lyston, V. G.
Bryndin, Yu. K. Didyk.

RUSSIAN, per, Zavod Lab, Vol XXVII,
No 2, 1962, pp 247-249.

HE HB 5281

Sci - Min/Met
Jun 62

199,404

RUSSIAN TO FREEMAN
OTS 77-62-28579

(DC-1801)

THE USE OF PUNCHED CARDS IN INDUSTRIAL AND
RESEARCH LABORATORIES (SURGGVEY), BY
G. G. VOROB'YEV, 13 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, VOL XXVIII,
NO 3, 1962, PP 316-323.

JPRS 14,468

SCI - MISC, MACH TRANS

SCI & ENGR

JUL 62

202,907

METHODS OF EXPOSING DISLOCATIONS IN CRYSTALS, BY
I. A. ODING, E. S. KOSYAKINA, 18 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, NO 4,
1962, PP 450-458.

JPRS 17638

SCI - CHEM

FEB 63

223,482

ON A METHOD OF EXPOSING DISLOCATIONS IN SILICON
MONOCRYSTALS, BY M. G. MIL'VIDSKIY, L. V.
LAYNER, 7 PP.

RUSSIAN, PER, ZAVODSKAYA LABORATORIYA, NO 4,
1962, PP 459-462.

JPRS 17638

SCI - CHEM
FEB 63

223,481

Kuritsyna, A. D. and Meinster, P. G.
DETERMINATION OF THE HARDNESS OF POLYMERIC
MATERIALS AT ELEVATED TEMPERATURES.

15 Aug 62 [6]p. 1 ref.

Order from OTS or SLA \$1.10

62-18966

Trans. of #Zavodsk[aya] Lab[oratoriya] (USSR) 1962,
v. 28 [no. 4] p. 491-493.

DESCRIPTORS: *Plastics, Hardness, Temperature,
Measurement.

The hardness and relative elasticity of plastics were
measured at temperatures of 20° to 150° C. on a Rock-
well-Superficial apparatus. Treatment of the data ob-
tained permitted detection of the critical points cor-
responding to transition of the polymers to different
physical states. It was shown that the reversible re-
duction of the depth of penetration, for the majority of
(Materials--Plastics, TT, v. 9, no. 7) (over)

62-18966

I. Kuritsyna, A. D.
II. Meinster, P. G.

Office of Technical Services

A Method of Accurate Determination of Lattice
Constants From Asymmetric X-Ray Diffraction
Diagrams, by V. V. Zhukov.

RUSSIAN, per, Zavod. Lab., Vol. XXVI, No 5,
1962, pp 290-292.

3942

Sci - Phys
Feb 63

223,553

Simultaneous Determination of Sulfuric Acid
and Phenolsulfonic Acid in Mixtures, by E. A.
Enelin.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 5,
1962, pp 548.

ATS RJ-4104

Sci-Chem
Dec 63

246, 123

S-902/62

Methods of Mathematics and Cybernetics Must Be
Utilized in Laboratory Research, by V. V.
Nalimov, 4 pp.

RUSSIA, per, Zavodskaya Laboratoriya, No 7,
1962, pp 771-772.

CIA/FDD X-5072

Sci
Misc
Jan 63

219,076

Developments in Analytical Chemistry in 1961.

RUSSIAN, per, X Zavod Lab, Vol XXVIII, No 7,
1962, pp 773-800.

Possibly to Come From Contacts
per 10 Dec 1962 memo
USIB INTERNAL USE ONLY

Sci - Chem

Dec 62

Polarographic Determination of Pb and Cu in Te
and Te Concentrates, by R. G. Pats, T. V. Semochkina.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 7, 1962,
pp 800, 801.

*SLA

Sci - Chem, Phys
Oct 62

APR 1962
TR 18.26

A Machine for Testing Materials for Dilation
(Distension) and Compression at Temperatures From
1.4°K to 1500°K, by R. I. Garber, I. A. Gindin,
et al, 5 pp.

No 2
RUSSIAN, per, Zavod Lab, Vol XXVIII, 1962, pp 865-868.

9212198

AEC-SCI-Tr-482

Sci - Engr

Aug 63

341,328

The Spectrographic Analysis of Iron Ores, by
E. I. Andreev, et al.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 8,
1962, pp 938-940.

HB 5740

Sci-Min/Met
Jan 63

220,012

Chemical-Spectrographic Method for the
Determination of Niobium in Ores and
Similar Materials, by L. E. Berenshtein.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 8,
1962, pp 940-941.

HB 5736

Sai-Min/Met
Jan 63

226,013

Determination of Iron in Blast-Furnace Sinter by
Absorption of Radioactive Radiation, by
P. D. Korzh, V. I. Ivanov.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 8,
August 1962, pp 965, 966.

HB 5737

Sci-Min/Met
Jan 63

219,388

Metallographic Development of the 475°C (890°F)
Embrittlement in Austenitic-Ferritic Chrome-Nickel
Steel Welds, by H. I. Kopersak.

RUSSIAN, per, Zavod Lab, Vol XXVIII, 1962, No 8,
pp 968-969.

HB 5288

Sci-Min/Met
Jan 63

214,387

New Methods in Polarography, by Yu. M. Kargin.

RUSSIAN, per, Zavod Laboratoriya, Vol XXVIII, No 9,
1962, pp 1029-1035.

*SLA

Sci-Chem
Dec 62

Determination of Trace Amounts of Substances...,
by Kh. Z. Braynina, et al.

RUSSIAN, per, Zavod Laboratoriya, Vol XXVIII, No 9,
1962, pp 1047-1052.

*SLA

Sci-Phys
Dec 62

The Analytical Chemistry of E-Caprolactam, by
E. M. Perepletchikova, E. N. Zil'berman.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 10, 1962,
pp 1172-1177.

NLL Ref: 5828.4 1963 (10 381)
(Loan)

Sci - Chem
Oct 63

Study of the Saturated Vapor Pressure of
Liquid Metals and Their Impurities by the
Carrier Gas Method, by V. T. Burtsev,
A. M. Samarin, 8 pp.

RUSSIAN, per, Zavodsk. Lab., Vol XXVIII, 1962,
pp 1199-1203. 921 55 71

AEC-tr-5983

Sci- Mat & Met
Nov 63

241,363

SOVIET REVIEW OF MACHINE INFORMATION-LOGICAL
METHODS IN CHEMISTRY, BY G. E. VLEDUTS,
A. L. SEIFER, 21 PP.

RUSSIAN, PER, ZAVOD LAB, VOL XXVIII, NO 10,
1962, PP 1224-1232.

JPRS 19053

SCI-MISC
MAY 63

229,949

Spectrographic Analysis of Pure Iron, by
E. V. Lifshits and L. N. Mosova,

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 11,
1962, p 1329.

HB 5866

Sci-M/M
Apr 63

229,157

Spectrographic Analysis of Iron Ore, Sinter,
and Blast-Furnace Slag in a 'Resonant'
D. C. Arc, by R. M. N. Shtutman, et al.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 11,
1962, pp 1330-1332.

HB 5787

Sci-M/M
Apr 63

9,366

Ultrasonic Detection of Fatigue Damage in
Materials, by P. V. Ponomarev.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 11,
1962, pp 1345, 1346.

HB 5786

Sci-Min/Ket
Jan 63

219,390

Applications of X-Ray Spectral Micro-Analysis in
Metallographic Investigations, by S. B. Maslennkov.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 12, 1962,
pp 1443-1446.

NLL Ref: 5828.4 1963 (5277)
(Loan)

Sci - M/M
Jul 63

Applications of X-Ray Spectral Micro-Analysis in
Metallographic Investigations, by S. B. Maslennikov.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 12, 1962,
pp 1443-1446.

HLL Ref: 5828.4 1963 (5277)
(Loan)

Sci - N/M
Jul 63

238,137

Installation for the High Temperature (up to
2 000°C) Tensile Testing of Materials in a
Vacuum, by A. N. Kobylkin.

RUSSIAN, per, Zavod Lab, Vol XXVIII, No 12,
1962, pp 1513-1515.

HL Ref: 5828.4 1963 (5282)
(Loan)

Sci - M/M
Jul 63

238,136

*ZAVODSKAYA LABORATORIYA**Vol 29, Nos 1-12, 1963**Cover-to-cover Instru Soc of Amer
Available Library Serials*

<i>No 2, pp 189-193</i>	<i>JPRS 18,889</i>
<i>pp 193-197</i>	<i>JPRS 18,889</i>
<i>pp 219-221</i>	<i>JPRS 18,889</i>
<i>No 3, pp 364-370</i>	<i>JPRS 18,808</i>
<i>pp 371-375</i>	<i>JPRS 18,808</i>
<i>pp 376-378</i>	<i>JPRS 18,808</i>
<i>No 8, pp 944-948</i>	<i>JPRS 22,471</i>
<i>pp 923-924</i>	<i>JPRS 23,451</i>
<i>No 10, pp 1206-1211</i>	<i>JPRS 22,442</i>

ZAVODSKAYA LABORATORIYA

Vol 30, Nos 1-9, 1964

*Cover-to-cover Instru Soc of Amer
Available Library Serials*

No 1, pp 47-54 JPRS 24,459

No 8, pp 997-1005 JPRS 27,097

p 1039 CIA/FDD X-5470 FOUO

p 1040 CIA/FDD X-5470 FOUO

Study of Thermocouple Materials in Helium at
1500°C, by A. T. Mendrich, G. E. Pletenetskii.
RUSSIAN, per, Zavod Lab, Vol 30, No 10, 1964,
pp 4-1243 -1244
NLL/5828.4 1965, 5632

Sci -
Jul 67

334,172

Detection of Cracks in Welds, by M. E. Zaidman,
O. G. Semenova.
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 30, No 10,
1964, p 1244.
HB 6446

Sci/M&M
Apr 65

277,124